

CLAIMS

1. A method of conducting wireless data communications
2 comprising:

receiving a packet data transmission from a first wireless network;

4 transmitting a pause command to the first wireless network;

reconfiguring a receiver from a mode corresponding to communication
6 with the first wireless network to a mode corresponding to communication with a
second wireless network;

8 monitoring a paging channel of the second wireless network;

reconfiguring the receiver from the mode corresponding to
10 communication with the second wireless network to the mode corresponding to
communication with the first wireless network; and

12 transmitting a resume command to the first wireless network.

2. The method of conducting wireless data communications
2 according to claim 1, wherein transmitting a pause command to the first wireless
network includes transmitting a pause command to a packet data serving node
4 via the first wireless network, and

wherein transmitting a resume command to the first wireless network
6 includes transmitting a resume command to the packet data serving node via
the first wireless network.

3. The method of conducting wireless data communications
2 according to claim 2, wherein receiving a packet data transmission from a first
wireless network includes receiving a packet data transmission from the packet
4 data serving node via the first wireless network.

4. The method of conducting wireless data communications
2 according to claim 1, wherein reconfiguring the receiver includes changing a
frequency of a radio-frequency stage.

5. The method of conducting wireless data communications
2 according to claim 1, wherein the pause command includes a command to
reduce a data rate.

6. The method of conducting wireless data communications
2 according to claim 1, wherein the pause command includes a command to set a
null data rate.

7. The method of conducting wireless data communications
2 according to claim 6, wherein reconfiguring the receiver includes changing a
frequency of a radio-frequency stage.

8. The method of conducting wireless data communications
2 according to claim 6, wherein the resume command includes a command to set
a non-null data rate.

9. The method of conducting wireless data communications
2 according to claim 1, wherein the resume command includes a command to set
a non-null data rate.

10. A method of conducting wireless data communications
2 comprising:
receiving a packet data transmission from a first wireless network over a
4 first wireless channel;
transmitting a pause command to the first wireless network; and
6 monitoring a second wireless channel for transmissions from a second
wireless network,
8 wherein said monitoring occurs after said transmitting begins.

11. The method of conducting wireless data communications
2 according to claim 10, further comprising transmitting a resume command to the
first wireless network, wherein said monitoring occurs between said transmitting
4 a pause command and said transmitting a resume command.

12. The method of conducting wireless data communications
2 according to claim 11, wherein the pause command includes a command to set
a null data rate.

13. The method of conducting wireless data communications
2 according to claim 12, wherein the resume command includes a command to
set a non-null data rate.

14. The method of conducting wireless data communications
2 according to claim 10, wherein the pause command includes a command to set
a null data rate.

15. The method of conducting wireless data communications
2 according to claim 14, wherein the resume command includes a command to
set a non-null data rate.

16. A data storage medium having machine-readable code, the
2 machine-readable code including instructions executable by an array of logic
elements, said instructions defining a method of conducting wireless data
4 communications comprising:
receiving a packet data transmission from a first wireless network;
6 transmitting a pause command to the first wireless network;
reconfiguring a receiver from a mode corresponding to communication
8 with the first wireless network to a mode corresponding to communication with a
second wireless network;
10 monitoring a paging channel of the second wireless network;
reconfiguring the receiver from the mode corresponding to
12 communication with the second wireless network to the mode corresponding to
communication with the first wireless network; and
14 transmitting a resume command to the first wireless network.

17. An access terminal configured and arranged to receive packet
2 data transmissions from a first wireless network, said access terminal
comprising:

- 4 a timer configured and arranged to send an indication at a time near a
start of a paging slot;
- 6 a command generator configured and arranged to issue a pause
command in response to the indication;
- 8 a physical layer control unit configured and arranged to transmit the
pause command to the first wireless network; and
- 10 a monitor configured and arranged to monitor a paging channel during
the paging slot for transmissions transmitted by a second wireless network at
12 least to the access terminal,
- wherein the physical layer control unit is further configured and arranged
14 to transmit a resume command to the first wireless network at a time near an
end of the paging slot.

18. The access terminal according to claim 17, wherein the indication
2 includes an interrupt request signal.

19. The access terminal according to claim 17, wherein the command
2 generator is further configured and arranged to issue the resume command.

20. The access terminal according to claim 17, wherein the pause
2 command includes a command to set a null data rate.

21. The access terminal according to claim 20, wherein the resume
2 command includes a command to set a non-null data rate.

22. The access terminal according to claim 17, wherein the pause
2 command is directed to a packet data serving node.

23. The access terminal according to claim 22, wherein the resume
2 command is directed to the packet data serving node.

24. The access terminal according to claim 17, wherein the physical
2 layer control unit is further configured and arranged to receive the packet data
transmissions from the first wireless network over a traffic channel, and

4 wherein, near a start of the paging slot, a mode of the physical layer
control unit is changed from a mode corresponding to the traffic channel to a
6 mode corresponding to the paging channel.

25. The access terminal according to claim 24, wherein the physical
2 layer control unit includes a radio-frequency stage, and
 wherein changing a mode of the physical layer control unit includes
4 changing a frequency of the physical layer control unit.

26. The access terminal according to claim 24, wherein, near an end
2 of the paging slot, a mode of the physical layer control unit is changed from the
mode corresponding to the paging channel to the mode corresponding to the
4 traffic channel.

27. An access terminal configured and arranged to receive data
2 transmissions from a first wireless network, said access terminal comprising:
 a timer configured and arranged to send an indication at a time near a
4 start of a time slot;
 a command generator configured and arranged to issue a pause
6 command in response to the indication; and
 a monitor configured and arranged to monitor a channel during the time
8 slot for transmissions transmitted by a second wireless network at least to the
access terminal,
10 wherein the command generator is further configured and arranged to
issue a resume command at a time near an end of the time slot, and
12 wherein the pause command and the resume command are transmitted
to the first wireless network.

28. The access terminal according to claim 27, wherein the pause
2 command includes a command to set a null data rate.

29. The access terminal according to claim 28, wherein the resume
2 command includes a command to set a non-null data rate.

2 30. The access terminal according to claim 27, wherein the indication
includes an interrupt request signal.

2 31. A wireless apparatus comprising:
means for receiving a packet data transmission from a first wireless
network;

4 means for transmitting a pause command to the first wireless network;
means for reconfiguring a receiver from a mode corresponding to
6 communication with the first wireless network to a mode corresponding to
communication with a second wireless network;

8 means for monitoring a paging channel of the second wireless network;
means for reconfiguring the receiver from the mode corresponding to
10 communication with the second wireless network to the mode corresponding to
communication with the first wireless network; and

12 means for transmitting a resume command to the first wireless network.